

### ABSTRACT OF THE DISCLOSURE

Disclosed is a solenoid-operated valve which hardly brings a plunger into a lock and is capable of improving its responsiveness. In the solenoid-operated valve, the plunger slidably guided in an inner bore formed in a yoke and a core aligned axially is moved by energizing an electromagnetic coil, and a spool in a valve section is moved through a rod portion which protrudes from an end of the plunger to pass through a center hole of the core. An electromagnetic section fluid chamber defined by a forward end surface of the plunger and the inner bore of the core communicates with an intermediate fluid chamber defined between the core and a valve sleeve, through a clearance between the center hole and rod portion. The spool is provided at one end thereof with a land portion whose end surface defines a part of the intermediate fluid chamber. The diameter of the land portion is chosen to be the same as the diameter of the plunger, so that the sum in volume of the electromagnetic section fluid chamber and the intermediate fluid chamber can be kept invariable regardless of movement of the plunger. A supply/drain passage is further provided to permit the oil around the solenoid-operated valve to be charged into the rear end fluid chamber or discharged therefrom upon movement of the plunger.